IN THE CLAIMS

Please amend the claims as follows:

1-63. (cancelled)

64. (original) A method for scheduling a data transfer over a network, comprising the steps of:

identifying a data file and a deadline window for delivery of the data file to a receiver;

sending the identity of the data file and the deadline window to an admission control module at the receiver, the admission control module being configured to prepare a scheduling request that includes the identity of the data file and a deadline within the deadline window;

sending the scheduling request to a scheduling module of the receiver;

querying a routing module at the receiver to identify a possible source node for the data file;

sending a single hop request from the scheduling module of the receiver to a scheduling module of the possible source node, the single hop request including the identity of the data file and the deadline;

evaluating the single hop request by the scheduling module at the possible source node, where the single hop request is evaluated in view of the size of the data file, the deadline, and available transmit bandwidth at the possible source node;

sending a reply to the single hop request to the scheduling module of the receiver indicating whether the single hop request is accepted or denied by the possible source node; and

if the single hop request is accepted, reserving resources at the receiver, reserving resources at the possible source node, scheduling a time to begin transferring the data file from the possible source node to the receiver, and sending a reply to the scheduling request to the admission control module.

65. (original) The method of claim 64, wherein if the single hop request is denied, the scheduling module of the receiver sends another single hop request to another possible source node identified by the routing module.

66. (original) The method of claim 64, wherein if the single hop request is denied, the reply to the single hop request includes a suggestion for an alternate deadline for delivery of the data file to the receiver.

67-76. (cancelled)